

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	substrate and ((dielectric near2 layer) with ((ti near2 o\$2) and (alumina near3 silica)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 14:03
S2	0	substrate and ((dielectric near2 layer) SAME ((ti near2 o\$2) and (alumina near3 silica)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 14:06
S3	140	substrate and ((dielectric near2 layer) SAME (ti near2 o\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 14:07
S4	0	substrate and ((dielectric near2 layer) SAME (((ti near2 o\$2) or tio) and (alumina near3 silica)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 14:06
S5	31	substrate and ((dielectric near2 layer) SAME (dc near3 pulsed))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:41
S6	4	US-5478456-\$.DID. OR US-6846765-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:42
S7	18	US-6827826-\$.DID. OR US-6750156-\$.DID. OR US-6361662-\$.DID. OR US-6232242-\$.DID. OR US-6117279-\$.DID. OR US-5738731-\$.DID. OR US-5296089-\$.DID. OR US-5173271-\$.DID. OR US-4587225-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:44

## EAST Search History

S8	22	US-3616403-\$.DID. OR US-3850604-\$.DID. OR US-4111523-\$.DID. OR US-4437966-\$.DID. OR US-4619680-\$.DID. OR US-4915810-\$.DID. OR US-4978437-\$.DID. OR US-5085904-\$.DID. OR US-5107538-\$.DID. OR US-5119460-\$.DID. OR US-5174876-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:45
S9	63	US-5196041-\$.DID. OR US-5200029-\$.DID. OR US-5206925-\$.DID. OR US-5225288-\$.DID. OR US-5237439-\$.DID. OR US-5252194-\$.DID. OR US-5287427-\$.DID. OR US-5303319-\$.DID. OR US-5306569-\$.DID. OR US-5355089-\$.DID. OR US-5381262-\$.DID. OR US-5427669-\$.DID. OR US-5457569-\$.DID. OR US-5475528-\$.DID. OR US-5483613-\$.DID. OR US-5499207-\$.DID. OR US-5555127-\$.DID. OR US-5563979-\$.DID. OR US-5565071-\$.DID. OR US-5591520-\$.DID. OR US-5603816-\$.DID. OR US-5607560-\$.DID. OR US-5607789-\$.DID. OR US-5613995-\$.DID. OR US-5654054-\$.DID. OR US-5654984-\$.DID. OR US-5686360-\$.DID. OR US-5689522-\$.DID. OR US-5693956-\$.DID. OR US-5718813-\$.DID. OR US-5719976-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:45

## EAST Search History

S10	58	US-5731661-\$.DID. OR US-5755938-\$.DID. OR US-5757126-\$.DID. OR US-5762768-\$.DID. OR US-5771562-\$.DID. OR US-5792550-\$.DID. OR US-5830330-\$.DID. OR US-5831262-\$.DID. OR US-0584193-\$.DID. OR US-5847865-\$.DID. OR US-5849163-\$.DID. OR US-5853830-\$.DID. OR US-5855744-\$.DID. OR US-5870273-\$.DID. OR US-5882946-\$.DID. OR US-5900057-\$.DID. OR US-5930584-\$.DID. OR US-5942089-\$.DID. OR US-5948215-\$.DID. OR US-5952778-\$.DID. OR US-5961682-\$.DID. OR US-5966491-\$.DID. OR US-5977582-\$.DID. OR US-6001224-\$.DID. OR US-6004660-\$.DID. OR US-6024844-\$.DID. OR US-6046081-\$.DID. OR US-6051296-\$.DID. OR US-6052397-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:46
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## EAST Search History

S11	58	US-6057557-\$.DID. OR US-6058233-\$.DID. OR US-6071323-\$.DID. OR US-6077642-\$.DID. OR US-6080643-\$.DID. OR US-6093944-\$.DID. OR US-6106933-\$.DID. OR US-6146225-\$.DID. OR US-6157765-\$.DID. OR US-6162709-\$.DID. OR US-6165566-\$.DID. OR US-6176986-\$.DID. OR US-6197167-\$.DID. OR US-6198217-\$.DID. OR US-6214660-\$.DID. OR US-6248291-\$.DID. OR US-6248640-\$.DID. OR US-6261917-\$.DID. OR US-6280585-\$.DID. OR US-6287986-\$.DID. OR US-6290822-\$.DID. OR US-6300215-\$.DID. OR US-6302939-\$.DID. OR US-6344419-\$.DID. OR US-6350353-\$.DID. OR US-6358810-\$.DID. OR US-6365319-\$.DID. OR US-6409965-\$.DID. OR US-6413382-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:46
S12	26	US-6413645-\$.DID. OR US-6416598-\$.DID. OR US-6423776-\$.DID. OR US-6444750-\$.DID. OR US-6488822-\$.DID. OR US-6506289-\$.DID. OR US-6533907-\$.DID. OR US-6537428-\$.DID. OR US-6563998-\$.DID. OR US-6576546-\$.DID. OR US-6602338-\$.DID. OR US-6605228-\$.DID. OR US-6615614-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 15:46
S13	246	S6 S7 S8 S9 S10 S11 S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:11

## EAST Search History

S14	4	US-5478456-\$.DID. OR US-6846765-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12
S15	18	US-6827826-\$.DID. OR US-6750156-\$.DID. OR US-6361662-\$.DID. OR US-6232242-\$.DID. OR US-6117279-\$.DID. OR US-5738731-\$.DID. OR US-5296089-\$.DID. OR US-5173271-\$.DID. OR US-4587225-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12
S16	22	US-3616403-\$.DID. OR US-3850604-\$.DID. OR US-4111523-\$.DID. OR US-4437966-\$.DID. OR US-4619680-\$.DID. OR US-4915810-\$.DID. OR US-4978437-\$.DID. OR US-5085904-\$.DID. OR US-5107538-\$.DID. OR US-5119460-\$.DID. OR US-5174876-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12

## EAST Search History

S17	63	US-5196041-\$.DID. OR US-5200029-\$.DID. OR US-5206925-\$.DID. OR US-5225288-\$.DID. OR US-5237439-\$.DID. OR US-5252194-\$.DID. OR US-5287427-\$.DID. OR US-5303319-\$.DID. OR US-5306569-\$.DID. OR US-5355089-\$.DID. OR US-5381262-\$.DID. OR US-5427669-\$.DID. OR US-5457569-\$.DID. OR US-5475528-\$.DID. OR US-5483613-\$.DID. OR US-5499207-\$.DID. OR US-5555127-\$.DID. OR US-5563979-\$.DID. OR US-5565071-\$.DID. OR US-5591520-\$.DID. OR US-5603816-\$.DID. OR US-5607560-\$.DID. OR US-5607789-\$.DID. OR US-5613995-\$.DID. OR US-5654054-\$.DID. OR US-5654984-\$.DID. OR US-5686360-\$.DID. OR US-5689522-\$.DID. OR US-5693956-\$.DID. OR US-5718813-\$.DID. OR US-5719976-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12
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## EAST Search History

S18	58	US-5731661-\$.DID. OR US-5755938-\$.DID. OR US-5757126-\$.DID. OR US-5762768-\$.DID. OR US-5771562-\$.DID. OR US-5792550-\$.DID. OR US-5830330-\$.DID. OR US-5831262-\$.DID. OR US-0584193-\$.DID. OR US-5847865-\$.DID. OR US-5849163-\$.DID. OR US-5853830-\$.DID. OR US-5855744-\$.DID. OR US-5870273-\$.DID. OR US-5882946-\$.DID. OR US-5900057-\$.DID. OR US-5930584-\$.DID. OR US-5942089-\$.DID. OR US-5948215-\$.DID. OR US-5952778-\$.DID. OR US-5961682-\$.DID. OR US-5966491-\$.DID. OR US-5977582-\$.DID. OR US-6001224-\$.DID. OR US-6004660-\$.DID. OR US-6024844-\$.DID. OR US-6046081-\$.DID. OR US-6051296-\$.DID. OR US-6052397-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12
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## EAST Search History

S19	58	US-6057557-\$.DID. OR US-6058233-\$.DID. OR US-6071323-\$.DID. OR US-6077642-\$.DID. OR US-6080643-\$.DID. OR US-6093944-\$.DID. OR US-6106933-\$.DID. OR US-6146225-\$.DID. OR US-6157765-\$.DID. OR US-6162709-\$.DID. OR US-6165566-\$.DID. OR US-6176986-\$.DID. OR US-6197167-\$.DID. OR US-6198217-\$.DID. OR US-6214660-\$.DID. OR US-6248291-\$.DID. OR US-6248640-\$.DID. OR US-6261917-\$.DID. OR US-6280585-\$.DID. OR US-6287986-\$.DID. OR US-6290822-\$.DID. OR US-6300215-\$.DID. OR US-6302939-\$.DID. OR US-6344419-\$.DID. OR US-6350353-\$.DID. OR US-6358810-\$.DID. OR US-6365319-\$.DID. OR US-6409965-\$.DID. OR US-6413382-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12
S20	26	US-6413645-\$.DID. OR US-6416598-\$.DID. OR US-6423776-\$.DID. OR US-6444750-\$.DID. OR US-6488822-\$.DID. OR US-6506289-\$.DID. OR US-6533907-\$.DID. OR US-6537428-\$.DID. OR US-6563998-\$.DID. OR US-6576546-\$.DID. OR US-6602338-\$.DID. OR US-6605228-\$.DID. OR US-6615614-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12
S21	246	S14 S15 S16 S17 S18 S19 S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:12



## EAST Search History

S22	23	S21 and (alumina)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:18
S23	51	"257"/\$6.ccls. and (alumina near2 silicate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:20
S24	793	"257"/\$6.ccls. and (alumina near2 silica\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 19:59
S25	186	S24 and optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 18:21
S26	3440	"257"/\$6.ccls. and (al near2 si)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:27
S27	1	"257"/\$6.ccls. and ((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:29
S28	1413	257/751.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:43
S29	489	257/767.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 19:47

## EAST Search History

S30	494	257/635.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 19:47
S31	924	438/627.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:44
S32	1427	438/643.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 19:47
S33	317	438/958.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 19:47
S34	40	((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 19:48
S35	1	"257"/\$6.ccls. and ((barrier) with ((yo or (y near2 o)) and ((ti near2 o) or tio)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:46
S36	10	((barrier) with ((yo or (y near2 o)) and ((ti near2 o) or tio)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:22
S37	128	((barrier) with (yo or (y near2 o)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:26

## EAST Search History

S38	503	(barrier with yttrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:27
S39	36	"257"/\$6.ccls. and (barrier with yttrium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:32
S40	5036	"257"/\$6.ccls. and (barrier with titanium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:32
S41	178	"257"/\$6.ccls. and (barrier with titanium adj oxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:32
S42	178	"257"/\$6.ccls. and (barrier with (titanium adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:46
S43	22	"257"/\$6.ccls. and (barrier with (titanium adj oxide)) and optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:42
S44	37	"257"/\$6.ccls. and (barrier with ("tio.sub.2")) and optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/16 20:44
S45	1	("6566276").PN.	USPAT	OR	OFF	2005/11/16 20:44
S46	1	barrier same ((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:31

## EAST Search History

S47	1	barrier same ((alumina near2 silica) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:30
S48	7	barrier and ((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:33
S49	0	257/&6.ccls. and ((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:34
S50	1	"257"/\$6.ccls. and ((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:34
S51	9	"438"/\$6.ccls. and ((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:36
S52	40	((al near2 si) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:42
S53	33	((alumina near2 silica) with ("92" and "8"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:42
S54	33	"257"/\$6.ccls. and (barrier with (titanium adj oxide)) and (optic or optical or led or (light adj emitting) or (light adj reciev\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:47

## EAST Search History

S55	33	"257"/\$6.ccls. and (barrier with (titanium adj oxide)) and (optic or optical or led or (light adj emitting) or (light adj emitter) or (light adj reciev\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 11:47
S56	33	"257"/\$6.ccls. and (barrier with (titanium adj oxide)) and (optic or optical or led or (light adj emitting) or (light adj emittor) or (light adj reciev\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 13:10
S57	12	"257"/\$6.ccls. and (barrier with (magnesium adj oxide)) and (optic or optical or led or (light adj emitting) or (light adj emittor) or (light adj reciev\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/17 13:12
S58	51	barrier same (((pulse or pulsed) near4 dc) and (pvd or (physical adh vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/07 17:10
S59	4566	(((pulse or pulsed) near4 dc) and (pvd or (physical adh vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/07 17:03
S60	55	barrier same (((pulse or pulsed) near4 dc) and (pvd or (physical adh vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:10
S61	373	barrier same (((pulse or pulsed) near4 (dc) or (direct adj current)) and (pvd or (physical adh vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:11
S62	72	barrier same (((pulse or pulsed) near4 ((dc) or (direct adj current))) and (pvd or (physical adh vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/11 18:57

## EAST Search History

S63	3	S62 and (soft near4 breath)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:12
S64	65	(soft near4 breath)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:13
S65	65	((soft-metal or soft) near4 breath)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/07 17:13
S66	28	US-3309302-\$.DID. OR US-5338625-\$.DID. OR US-5909346-\$.DID. OR US-5930046-\$.DID. OR US-6000603-\$.DID. OR US-6133670-\$.DID. OR US-6242129-\$.DID. OR US-6280875-\$.DID. OR US-6356694-\$.DID. OR US-6376027-\$.DID. OR US-6632563-\$.DID. OR US-6683244-\$.DID. OR US-6683749-\$.DID. OR US-6768855-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 12:24
S67	0	S66 and ((dc or (direct adj current)) near3 (pulse or pulsed))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 12:25
S68	0	S66 and (vapor near2 transmission)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 12:26
S69	0	S66 and (water near2 transmission)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/03 12:26

## EAST Search History

S70	1	("20030173207").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/03 12:29
S71	1	("20030178637").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/03 12:29
S72	1	("20020140103").PN.	US-PGPUB; USPAT	OR	OFF	2006/05/03 12:30
S73	3	S70 S71 S72	US-PGPUB; USPAT	OR	OFF	2006/05/03 14:31
S74	955	((soft adj metal) with (ni or ti or cr or titanium or nickel or chromium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:42
S75	279	((soft adj metal) near3 (ni or ti or cr or titanium or nickel or chromium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 16:46
S76	0	((soft adj metal) near3 ((ni and ti and cr) or (titanium and nickel and chromium))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 12:51
S77	25	((soft adj metal) near3 (cr or chromium))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 14:17
S78	1	("6683244").PN.	USPAT	OR	OFF	2006/05/03 15:41
S79	1	("6117279").PN.	USPAT	OR	OFF	2006/05/03 14:26
S80	214	(molybdenum or platinum or tungsten or (indium adj oxide) or (tin adj oxide) or (indium adj tin adj oxide) or (zinc adj oxide) or (magnesium adj oxide) or (mo or pt or w or ino or sno or insno or zno or mgo or ino\$1 or sno\$1 or insno\$1 or zno\$1 or mgo\$1)) with ((vapor or water) near3 transmission)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 14:35

## EAST Search History

S81	0	(((soft adj metal) with ((indium adj tin) or insn)) with electrode) with substrate) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:44
S82	0	(((soft adj metal) with ((indium adj tin) or insn)) with electrode) same substrate) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:44
S83	6	(((soft adj metal) with ((indium adj tin) or insn)) with substrate) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:48
S84	6	(((soft adj metal) with ((indium adj tin) or insn or (in adj sn))) with substrate) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:48
S85	6694	(((indium adj tin) or insn or (in adj sn)) with substrate) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:49
S86	1153	"257"/\$6.ccls. and (((indium adj tin) or insn or (in adj sn)) with substrate) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:56
S87	94	"257"/\$6.ccls. and (((indium adj tin) or insn or (in adj sn)) with substrate) same (barrier or dielectric)) and (semiconductor or ic or chip or die or (integrated adj circuit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 15:56
S88	2	((soft adj metal) near3 ((ni and ti) or (titanium and nickel)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 16:50



## EAST Search History

S89	0	((alumin adj silicide) with barrier) and (solar adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:18
S90	0	((alumina adj silicide) with barrier) and (solar adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:20
S91	0	((alumina adj silicide) with barrier) and (photoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:19
S92	0	((alumina near3 silicide) with barrier) and (photoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:19
S93	0	((aluminasilicide) with barrier) and (photoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:20
S94	0	((alumina/silicide) with barrier) and (photoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:20
S95	0	(("alumina/silicide") with barrier) and (photoelectric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:20
S96	0	(alumina adj silicide) and (solar adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 18:16

## EAST Search History

S97	0	(alumina adj silicide) and (solar adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:21
S98	6	(alumina adj silicide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 17:21
S99	7	(aluminum adj silicide) and (solar adj cell)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 18:17
S10 0	18	barrier same (((pulse or pulsed) near4 ((dc) or (direct adj current))) with (pvd or (physical adj vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:47
S10 1	3	S100 and (water adj vapor adj transmission)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/12 11:44
S10 2	1	("20050048802").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/11 19:19
S10 3	1	("20050006768").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/11 19:19
S10 4	18	barrier same (((pulse or pulsed) near4 ((dc) or (direct adj current))) with (pvd or (physical adj vapor adj deposition)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/12 11:42
S10 5	2	S104 and (wvtr)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/12 11:43

## EAST Search History

S10 6	1533	257/751.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 12:05
S10 7	546	257/635.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:44
S10 8	1022	438/627.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:44
S10 9	1501	438/643.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:44
S11 0	324	438/958.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:44
S11 1	4271	S106 S107 S108 S109 S110	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:44
S11 2	1	S111 and ((water adj vapor adj transmission) or (wvtr))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:48
S11 3	18	"257"/\$6.ccls. and ((water adj vapor adj transmission) or (wvtr))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 11:47

## EAST Search History

S11 4	20	"257"/\$6.ccls. and ((water adj vapor adj transmission) or (wvtr))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:49
S11 5	17	"438"/\$6.ccls. and ((water adj vapor adj transmission) or (wvtr))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:49
S11 6	11	S115 not S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/12 11:49
S11 7	9	257/e21.04.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:49
S11 8	26	US-4710940-\$.DID. OR US-4785459-\$.DID. OR US-4710940-\$.DID. OR US-5435826-\$.DID. OR US-5512147-\$.DID. OR US-51569520-\$.DID. OR US-5597660-\$.DID. OR US-5612152-\$.DID. OR US-6168884-\$.DID. OR US-6236793-\$.DID. OR US-6242132-\$.DID. OR US-6365300-\$.DID. OR US-6760520-\$.DID. OR US-6818356-\$.DID. OR US-6884327-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 12:16
S11 9	6	US-5472795-\$.DID. OR US-6306265-\$.DID. OR US-6673716-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 12:18
S12 0	1	("20010031122").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:18
S12 1	1	("20030035906").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:19
S12 2	1	("20030185266").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:19

## EAST Search History

S12 3	1	("20050000794").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:19
S12 4	1	("20050048802").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:19
S12 5	1	("20050183946").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:19
S12 6	1	("20060134522").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:19
S12 7	1	("20060071592").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:20
S12 8	1	("20060057304").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:20
S12 9	1	("20060057283").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:20
S13 0	1	("20060054496").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:20
S13 1	1	("20040043557").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:20
S13 2	1	("20020115252").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:21
S13 3	29	S118 S119 S120 S121 S122 S123 S124 S125 S126 S127 S128 S129 S130 S131 S132	US-PGPUB; USPAT	OR	OFF	2006/10/12 12:21
S13 4	0	(barrier same (((pulse or pulsed) near4 ((dc) or (direct adj current))) with (pvd or (physical adj vapor adj deposition)))) and @pd>"20061211"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:48
S13 5	1573	257/751.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:48
S13 6	560	257/635.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:48
S13 7	1053	438/627.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:48

## EAST Search History

S13 8	1526	438/643.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:48
S13 9	327	438/958.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:48
S14 0	4368	S135 S136 S137 S138 S139	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:48
S14 1	0	(S140 and ((water adj vapor adj transmission) or (wvtr))) and @pd>"20061211"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:48
S14 2	0	("257"/\$6.ccls. and ((water adj vapor adj transmission) or (wvtr))) and @pd>"20061211"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:49
S14 3	1	("438"/\$6.ccls. and ((water adj vapor adj transmission) or (wvtr))) and @pd>"20061211"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/14 19:49
S14 4	1	(257/e21.04.ccls.) and @pd>"20061211"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:50
S14 5	2	S143 S144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:54

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S14 6	8	US-5110696-\$.DID. OR US-6379835-\$.DID. OR US-6444104-\$.DID. OR US-6558836-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:50
S14 7	1	("20020009630").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/14 19:51
S14 8	1	("20040245561").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/14 19:51
S14 9	5	US-5814195-\$.DID. OR US-6268695-\$.DID. OR US-6497598-\$.DID. OR US-6522067-\$.DID. OR US-6570325-\$.DID.	USPAT	OR	OFF	2007/02/14 19:51
S15 0	17	S145 S146 S147 S148 S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/14 19:54